

## Listing and Recovery Planning for Bull Trout

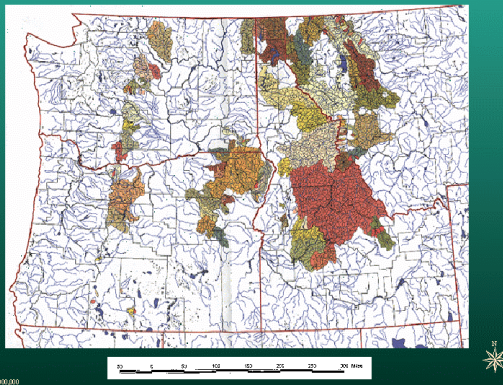


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- October 1992
  - Petition to list throughout range (petition to list Klamath River bull trout January 1993)
- May 1993
  - Positive 90-day finding issued
- June 1994
  - 12-month finding issued (warranted but precluded; recycled 12-month finding issued June 1995)
- March 1997
  - Reconsidered finding issued (proposed rule issued June 1997)
- June 1998
  - Klamath River and Columbia River populations listed as threatened
  - Proposed rule for Coastal-Puget Sound, Jarbidge, St. Mary-Belly populations issued
- November 1999
  - All bull trout listed as threatened in coterminous United States (Jarbidge population listed in April 1999, Coastal-Puget Sound and St. Mary-Belly in November 1999)

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## Columbia River and Klamath River Bull Trout Subpopulations

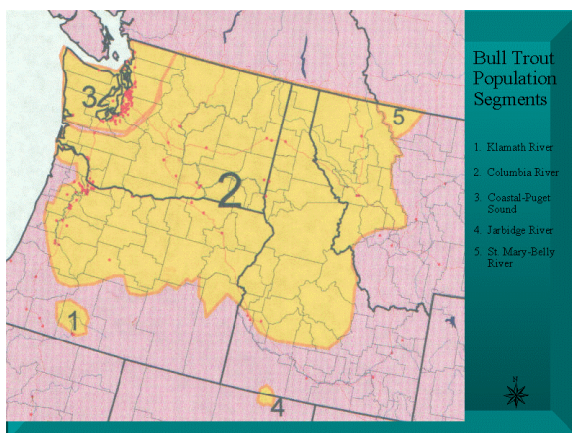


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## Factors affecting bull trout

- A. Habitat or range destruction or modification
- B. Overuse for commercial, recreational, scientific or educational purposes
- C. Disease or predation
- D. Inadequacy of existing regulatory mechanisms
- E. Other natural or manmade factors

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## Overview of recovery planning

- Recovery plans are guidance documents
- Three components required
  - Description of site-specific actions
  - Objective, measurable delisting criteria
  - Estimates of time and cost for carrying out actions
- Recommended final recovery plans completed 30 months after listing
- Updates or revisions recommended at 5-year intervals

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## Approach for bull trout recovery

- Recovery team (FWS, State, and tribes)
  - Responsible for developing recovery plan with multiple chapters
  - Develop recovery objectives and criteria, identify recovery units, provide guidance for consistency among chapters
- Recovery unit teams (agencies, tribes, and private groups)
  - Contribute to individual chapters in recovery plan
  - Develop recovery criteria and actions specific to recovery units

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## Bull trout recovery units



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## Terminology

- - Distinct population segment
  - Recovery Unit
  - Core area
  - Local population

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## Draft goal and objectives

Goal: Ensure the long-term persistence of self-sustaining, complex interacting groups of bull trout distributed across the species' native range.

### Objectives:

1. Maintain current distribution of bull trout and restore distribution in previously occupied areas.
2. Maintain stable or increasing trends in abundance of bull trout in all recovery units.
3. Restore and maintain suitable habitat conditions for all bull trout life history stages and strategies.
4. Conserve genetic diversity and provide opportunity for genetic exchange.

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